

Title (en)  
COMPOSITIONS AND METHODS FOR CELL CRYOPRESERVATION

Title (de)  
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR KRYOKONSERVIERUNG VON ZELLEN

Title (fr)  
COMPOSITIONS ET PROCÉDÉS DE CRYOCONSERVATION DE CELLULES

Publication  
**EP 3534705 A1 20190911 (EN)**

Application  
**EP 17857857 A 20171004**

Priority  
• US 201662404170 P 20161004  
• US 201662405447 P 20161007  
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Abstract (en)  
[origin: US2018092348A1] The present disclosure provides for a cryopreservation composition comprising a permeating cryoprotectant, a saccharide and a macromolecule. The cryopreservation composition has a low toxicity to cells and tissues, and promotes survival and retention of viability of the biological material during cryopreservation.

IPC 8 full level  
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CPC (source: EP KR US)  
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**US 10815456 B2 20201027**; **US 2018092348 A1 20180405**; CA 3036388 A1 20180412; CA 3036391 A1 20180412; CN 109790514 A 20190521; CN 109843052 A 20190604; EP 3523419 A1 20190814; EP 3523419 A4 20200415; EP 3534705 A1 20190911; EP 3534705 A4 20200422; JP 2019528764 A 20191017; JP 2019528765 A 20191017; JP 7157050 B2 20221019; KR 102502294 B1 20230221; KR 20190088461 A 20190726; KR 20190090780 A 20190802; TW 201816107 A 20180501; TW 201831876 A 20180901; TW I664412 B 20190701; TW I670371 B 20190901; US 11485953 B2 20221101; US 2018094235 A1 20180405; WO 2018064975 A1 20180412; WO 2018064976 A1 20180412

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**US 201715723934 A 20171003**; CA 3036388 A 20171004; CA 3036391 A 20171004; CN 2017105252 W 20171004; CN 2017105253 W 20171004; CN 201780061605 A 20171004; CN 201780061611 A 20171004; EP 17857856 A 20171004; EP 17857857 A 20171004; JP 2019517763 A 20171004; JP 2019517802 A 20171004; KR 20197009922 A 20171004; KR 20197009923 A 20171004; TW 106134216 A 20171003; TW 106134217 A 20171003; US 201715723872 A 20171003